

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.12**DAILY PROJECT JOURNAL****Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Report No:** DPJ-000422**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Dated:** 02-Nov-2007**Location:** Changxing Island, Shanghai, China

Submittals(New / Total): **CWR's:** 0 / 28 **HSR's:** 0 / 10 **NCR's:** 0 / 11

Item	Title	Detail
1	Major component movement	<p>OBG Production: Fitting T-Stiffeners to OBG Bottom Plates.</p> <p>77m Tower Mock-up: Welding butt splice on diaphragm flanges.</p> <p>89m Tower Mock-up: Tack welding stiffener plates between diaphragms, Welding Skin Plate D splices, Welding stiffener plate butt splices.</p> <p>114m Tower Mock-up: No welding observed.</p> <p>Closed-rib Weld Trial: ZPMC and QA performing visual inspection of Weld Trial #2. Areas of undercut, incompletely filled groove and excessive reinforcement were identified by ZPMC.</p>
2	Meetings attended	<p>Caltrans met with ABF and ZPMC at 1300 to discuss issues and the schedule for the next three days.</p> <p>Batch 31 material is being reviewed by ABF (62 plates). Caltrans verification will begin tomorrow if accepted by ABF.</p> <p>ZPMC informed ABF that the UT of the ABF/ZPMC internal Stiffener Plate to Skin Plate test (1 weld) was acceptable. ZPMC stated they would like to resume welding of the Mock-up stiffeners. ABF Level III Steve Lawton stated ABF would discuss this request internally.</p> <p>ABF stated they would meet internally to discuss the results of Closed-rib Weld Trial #2. Pending results of this meeting, ABF may request a meeting with Caltrans.</p> <p>ZPMC is currently cutting and machining macro-etch samples of the</p>

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Closed-rib PJP UT procedure. ZPMC UT technicians have expressed concerns about the 1st leg amplitude method. ABF Level III Steve Lawton stated they could meet to address these concerns. Mr. Lawton expressed there were issues with the condition of the equipment ZPMC is using. ZPMC asked how many more samples they would have to take. Mr. Lawton explained that this would depend on how development progresses. The results of the macro-etches should be available tomorrow, and ZPMC has prepared two additional welded samples for further UT development. Fit-up of the T-Stiffeners to the Bottom Plate is scheduled for Saturday and Sunday. Welding is scheduled for Monday.

3	Key conversations	ABF Level III Steve Lawton called QA in the evening and informed him that ABF was preparing a letter to detail the discrepancies found in Closed-rib Weld Trial #2. Mr. Lawton stated they would be submitting this trial as "a completed Weld Trial". Mr. Lawton stated this report would be available Monday afternoon and a meeting with Caltrans to discuss would be schedule either Monday or Tuesday.
4	Other important observations	Witnessed Bend Test for Welder Qualifications.
5	Quality Assurance Inspectors per shift	6 Day Shift (Acuna, Brannon, Hasler, Hernandez, McClendon, Viars) 4 Swing Shift (Berger, Dixon, Franco, Smith)

Inspected By: McClary,David

Quality Assurance Inspector

Reviewed By: Lowry,Patrick

QA Reviewer
